

Docket Number: 067074-0310832

PATENT APPLICATION

Client Reference: PCB/PN/P89103PUS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of

BERNARD CONNOLLY, et al.

Group Art Unit:

Examiner:

Confirmation No.:

Application No.: 10/511,130

Filed: October 13, 2004

For: DNA POLYMERASES

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

Sir:

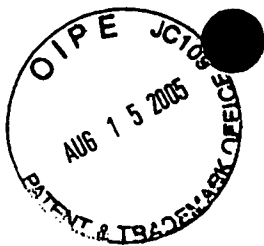
Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom. Applicants respectfully request the Examiner return an initialed copy of the enclosed Form PTO-1449 to Applicants with the next Office communication to indicate that the reference(s) has been considered, per MPEP § 609.

This Information Disclosure Statement is being filed (a) within three months of the U.S. filing date of this non-CPA application, OR (b) before the mailing date of the first Office Action on the merits in the present application. No certification or fee is required.

The reference(s) was/were cited in a counterpart foreign application. An English language version of the foreign search report is attached for the Examiner's information.

The reference(s) was/were cited by or submitted to the Office in parent application no. PCT/GB03/001623, filed April 17, 2002, which is relied upon for an earlier filing date under 35 U.S.C. §120. Thus, copies of these references are not attached. 37 C.F.R. §1.98(d).

The references cited in the International Search Report. An English language version of the International Search Report is attached for the Examiner's information. According to the Notification of Acceptance in this file, copies of the references are already in the U.S. Patent Office file. Thus additional copies of the references are not attached.



Respectfully Submitted,

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Date: August 12, 2005
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CERTIFICATION UNDER 37 C.F.R. §§ 1.8 and/or 1.10*

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I hereby certify that, on the date shown below, this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date: August 12, 2005

Signature

LINDA BAKKE

(type or print name of person certifying)

* Only the date of filing (§ 1.6) will be the date used in a patent term adjustment calculation, although the date on any certificate of mailing or transmission under § 1.8 continues to be taken into account in determining timeliness. See § 1.703(f). Consider "Express Mail Post Office to Addressee" (§ 1.10) or facsimile transmission (§ 1.6(d)) for the reply to be accorded the earliest possible filing date for patent term adjustment calculations.

Approved for use through 07/31/2006. OMB 0651-0031

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(Use as many sheets as necessary)

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Complete if Known

Application Number

10/511.130

Filing Date

10/13/2004

First Named Inventor

BERNARD CONNOLLY

Art Unit

Examiner Name

Attorney Docket Number

067074-0310832

[illegible]

| FOREIGN PATENT DOCUMENTS | | | | | | | |
|--------------------------|-----------------------|---------------------------|-------------------------------------------------------|--------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------|----------------|
| Examiner Initials* | Cite No. ¹ | Foreign Patent Document | | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
| | | Country Code ³ | Number ⁴ Kind Code ⁵ (if known) | | | | |
| | B1 | EP | 1 088 891 A1 | 04.04/2001 | Ankenbauer et al. | | |
| | B2 | WO | 01/38546 A1 | 31 May 2001 | Evans et al. | | |
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Examiner
Signature

/Richard Hutson/

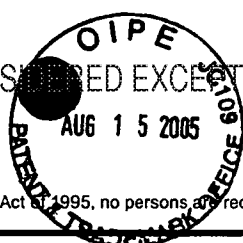
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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|------------------------|------------------|
| Application Number | 10/511,130 |
| Filing Date | 10/13/2004 |
| First Named Inventor | BERNARD CONNOLLY |
| Art Unit | |
| Examiner Name | |
| Attorney Docket Number | 067074-0310832 |

Sheet 1 of 1

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|--------------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| | C1 | FOGG ET AL., Structural basis for uracil recognition by archaeal family B DNA polymerases, Nature Structural Biology (UK), Vol. 9 (No. 12), pp. 922-927, (December 2002). | |
| | C2 | GREAGG ET AL., A read-ahead function in archaeal DNA polymerases detects promutagenic template-strand uracil, Proc. Natl. Acad. Sci. USA, pp. 9045-9050, (August 1999). | |
| | C3 | EVANS ET AL., Improving dideoxynucleotide-triphosphate utilisation by the hyper-thermophilic DNA polymerase from the archaeon Pyrococcus furiosus, Nucleic Acids Research, Oxford University Press, Vol. 28 (No. 5), pp. 1059-1066, (2000). | |
| | C4 | CONNOLLY ET AL., Uracil recognition by archaeal family B DNA polymerases, Biochemical Society, Vol. 31 (No. 3), pp. 699-702, (2003). | |
| | C5 | PATEL ET AL., Multiple Amino Acid Substitutions Allow DNA Polymerases to Synthesize RNA, The Journal of Biological Chemistry, The American Society for Biochemistry and Molecular Biology, Inc., Vol. 275 (No. 51), pp. 40266-40272, (2000). | |
| | C6 | LASKEN ET AL., Archaeobacterial DNA Polymerases Tightly Bind Uracil-containing DNA, The Journal of Biological Chemistry, The American Society for Biochemistry and Molecular Biology, Inc., Vol. 271 (No. 30), pp. 17692-17696, (1996). | |
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Examiner
Signature

/Richard Hutson/

Date
Considered

12/08/2009

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